

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of :
John C. Harvey and James W. Cuddihy : Examiner:
 Serial No. 08/449,097 : Group Unit: 2602
 Filed 24-May-95 : Atty Dkt: 5634.208
 For **SIGNAL PROCESSING APPARATUS AND METHODS**

COPENDING RELATED U.S. PATENT APPLICATIONS

Assistant Commissioner of Patents
 Washington, D.C. 20231

Sir:

Listed below are copending U.S. patent applications related to this application.

<u>Application No.</u>	<u>Filing Date</u>	<u>Atty. Dkt.</u>
08/113,329	30-Aug-93	5634.008
08/397,371	2-March-95	5634.017
08/397,582	2-March-95	5634.010
08/397,636	2-March-95	5634.012
08/435,757	9-May-95	5634.036
08/435,758	9-May-95	5634.041
08/437,044	9-May-95	5634.047
08/437,045	9-May-95	5634.042
08/437,629	9-May-95	5634.044
08/437,635	9-May-95	5634.045
08/437,791	9-May-95	5634.040
08/437,819	9-May-95	5634.049
08/437,864	9-May-95	5634.038
08/437,887	9-May-95	5634.037
08/437,937	9-May-95	5634.048
08/438,011	9-May-95	5634.050
08/438,206	9-May-95	5634.039

08/438,216	9-May-95	5634.046
08/438,659	9-May-95	5634.043
08/439,668	15-May-95	5634.062
08/439,670	15-May-95	5634.081
08/440,657	15-May-95	5634.051
08/440,837	15-May-95	5634.059
08/441,027	16-May-95	5634.053
08/441,033	15-May-95	5634.060
08/441,575	15-May-95	5634.056
08/441,577	15-May-95	5634.080
08/441,701	15-May-95	5634.052
08/441,749	16-May-95	5634.082
08/441,821	16-May-95	5634.085
08/441,880	16-May-95	5634.075
08/441,942	16-May-95	5634.061
08/441,996	16-May-95	5634.086
08/442,165	16-May-95	5634.087
08/442,327	16-May-95	5634.083
08/442,335	16-May-95	5634.088
08/442,369	16-May-95	5634.055
08/442,383	16-May-95	5634.074
08/442,505	16-May-95	5634.084
08/442,507	16-May-95	5634.089
08/444,643	19-May-95	5634.111
08/444,756	19-May-95	5634.107
08/444,757	19-May-95	5634.103
08/444,758	19-May-95	5634.114
08/444,781	19-May-95	5634.110
08/444,786	19-May-95	5634.100
08/444,787	19-May-95	5634.118
08/444,788	19-May-95	5634.109
08/444,887	19-May-95	5634.115
08/445,045	19-May-95	5634.108
08/445,054	19-May-95	5634.101
08/445,290	19-May-95	5634.113
08/445,294	19-May-95	5634.119
08/445,296	19-May-95	5634.105
08/445,328	19-May-95	5634.112
08/446,123	19-May-95	5634.116
08/446,124	19-May-95	5634.117
08/446,429	22-May-95	5634.151
08/446,430	22-May-95	5634.152
08/446,431	22-May-95	5634.150
08/446,432	22-May-95	5634.149
08/446,494	22-May-95	5634.154

08/446,553	19-May-95	5634.104
08/446,579	19-May-95	5634.106
08/447,380	24-May-95	5634.125
08/447,414	23-May-95	5634.122
08/447,415	23-May-95	5634.129
08/447,416	23-May-95	5634.128
08/447,446	23-May-95	5634.135
08/447,447	23-May-95	5634.140
08/447,448	23-May-95	5634.132
08/447,449	23-May-95	5634.138
08/447,496	23-May-95	5634.121
08/447,502	23-May-95	5634.143
08/447,529	24-May-95	5634.144
08/447,611	23-May-95	5634.137
08/447,621	23-May-95	5634.156
08/447,679	23-May-95	5634.130
08/447,711	23-May-93	5634.153
08/447,712	23-May-95	5634.127
08/447,724	23-May-95	5634.131
08/447,726	23-May-95	5634.159
08/447,826	23-May-95	5634.126
08/447,908	23-May-95	5634.134
08/447,938	23-May-95	5634.133
08/447,974	23-May-95	5634.145
08/447,977	23-May-95	5634.141
08/448,099	23-May-95	5634.158
08/448,116	23-May-95	5634.157
08/448,141	23-May-95	5634.155
08/448,143	23-May-95	5634.120
08/448,175	23-May-95	5634.102
08/448,251	23-May-95	5634.142
08/448,309	23-May-95	5634.139
08/448,326	23-May-95	5634.123
08/448,643	24-May-95	5634.072
08/448,644	24-May-95	5634.163
08/448,662	24-May-95	5634.201
08/448,667	24-May-95	5634.179
08/448,794	24-May-95	5634.203
08/448,810	24-May-95	5634.177
08/448,833	24-May-95	5634.162
08/448,915	24-May-95	5634.069
08/448,916	24-May-95	5634.209
08/448,917	24-May-95	5634.165
08/448,976	24-May-95	5634.161
08/448,977	24-May-95	5634.071

08/448,978	24-May-95	5634.181
08/448,979	24-May-95	5634.207
08/449,097	24-May-95	5634.208
08/449,110	24-May-95	5634.204
08/449,248	24-May-95	5634.171
08/449,263	24-May-95	5634.172
08/449,281	24-May-95	5634.183
08/449,291	24-May-95	5634.068
08/449,302	24-May-95	5634.147
08/449,351	24-May-95	5634.170
08/449,369	24-May-95	5634.058
08/449,411	24-May-95	5634.180
08/449,413	24-May-95	5634.174
08/449,523	24-May-95	5634.182
08/449,530	24-May-95	5634.124
08/449,531	24-May-95	5634.176
08/449,532	24-May-95	5634.205
08/449,652	24-May-95	5634.146
08/449,697	24-May-95	5634.175
08/449,702	24-May-95	5634.202
08/449,717	24-May-95	5634.067
08/449,718	24-May-95	5634.164
08/449,798	24-May-95	5634.206
08/449,800	24-May-95	5634.184
08/449,829	24-May-95	5634.178
08/449,867	24-May-95	5634.169
08/449,901	23-May-95	5634.136
08/450,680	24-May-95	5634.200
08/451,203	26-May-95	5634.079
08/451,377	26-May-95	5634.070
08/451,496	26-May-95	5634.057
08/451,746	26-May-95	5634.078
08/452,395	26-May-95	5634.065
08/458,566	2-Jun-95	5634.230
08/458,699	2-Jun-95	5634.247
08/458,760	2-Jun-95	5634.217
08/459,216	2-Jun-95	5634.218
08/459,217	2-Jun-95	5634.231
08/459,218	2-Jun-95	5634.256
08/459,506	2-Jun-95	5634.224
08/459,507	2-Jun-95	5634.232
08/459,521	2-Jun-95	5634.233
08/459,522	2-Jun-95	5634.238
08/459,788	2-Jun-95	5634.243
08/460,043	2-Jun-95	5634.215

08/460,081	2-Jun-95	5634.240
08/460,085	2-Jun-95	5634.239
08/460,120	2-Jun-95	5634.214
08/460,187	2-Jun-95	5634.220
08/460,240	2-Jun-95	5634.241
08/460,256	2-Jun-95	5634.254
08/460,274	2-Jun-95	5634.236
08/460,387	2-Jun-95	5634.219
08/460,394	2-Jun-95	5634.222
08/460,401	2-Jun-95	5634.242
08/460,556	2-Jun-95	5634.248
08/460,557	2-Jun-95	5634.245
08/460,591	2-Jun-95	5634.216
08/460,592	2-Jun-95	5634.225
08/460,634	2-Jun-95	5634.246
08/460,642	2-Jun-95	5634.244
08/460,668	2-Jun-95	5634.211
08/460,677	2-Jun-95	5634.221
08/460,711	2-Jun-95	5634.212
08/460,713	2-Jun-95	5634.253
08/460,743	2-Jun-95	5634.229
08/460,765	2-Jun-95	5634.255
08/460,766	2-Jun-95	5634.249
08/460,770	2-Jun-95	5634.237
08/460,793	2-Jun-95	5634.213
08/460,817	2-Jun-95	5634.223
08/466,887	6-Jun-95	5634.281
08/466,888	6-Jun-95	5634.270
08/466,890	6-Jun-95	5634.298
08/466,894	6-Jun-95	5634.276
08/467,045	6-Jun-95	5634.285
08/467,904	6-Jun-95	5634.284
08/468,044	6-Jun-95	5634.282
08/468,323	6-Jun-95	5634.292
08/468,324	6-Jun-95	5634.259
08/468,641	6-Jun-95	5634.263
08/468,736	6-Jun-95	5634.277
08/468,994	6-Jun-95	5634.297
08/469,056	6-Jun-95	5634.264
08/469,059	6-Jun-95	5634.288
08/469,078	6-Jun-95	5634.279
08/469,103	6-Jun-95	5634.300
08/469,106	6-Jun-95	5634.266
08/469,107	6-Jun-95	5634.294
08/469,108	6-Jun-95	5634.269

08/469,109	6-Jun-95	5634.296
08/469,355	6-Jun-95	5634.260
08/469,496	6-Jun-95	5634.290
08/469,517	6-Jun-95	5634.287
08/469,612	6-Jun-95	5634.280
08/469,623	6-Jun-95	5634.273
08/469,624	6-Jun-95	5634.262
08/469,626	6-Jun-95	5634.272
08/470,051	6-Jun-95	5634.268
08/470,052	6-Jun-95	5634.302
08/470,053	6-Jun-95	5634.291
08/470,054	6-Jun-95	5634.265
08/470,236	6-Jun-95	5634.278
08/470,447	6-Jun-95	5634.275
08/470,448	6-Jun-95	5634.293
08/470,476	6-Jun-95	5634.301
08/470,570	6-Jun-95	5634.289
08/470,571	6-Jun-95	5634.261
08/471,024	6-Jun-95	5634.299
08/471,191	6-Jun-95	5634.267
08/471,238	6-Jun-95	5634.271
08/471,239	6-Jun-95	5634.283
08/471,240	6-Jun-95	5634.286
08/472,066	6-Jun-95	5634.295
08/472,399	7-Jun-95	5634.305
08/472,462	7-Jun-95	5634.315
08/472,980	7-Jun-95	5634.353
08/473,213	7-Jun-95	5634.320
08/473,224	7-Jun-95	5634.187
08/473,484	7-Jun-95	5634.258
08/473,927	7-Jun-95	5634.333
08/473,996	7-Jun-95	5634.073
08/473,997	7-Jun-95	5634.364
08/473,998	7-Jun-95	5634.328
08/473,999	7-Jun-95	5634.342
08/474,119	7-Jun-95	5634.330
08/474,139	7-Jun-95	5634.324
08/474,145	7-Jun-95	5634.303
08/474,146	7-Jun-95	5634.186
08/474,147	7-Jun-95	5634.226
08/474,496	7-Jun-95	5634.360
08/474,674	7-Jun-95	5634.319
08/474,963	7-Jun-95	5634.098
08/474,964	7-Jun-95	5634.064
08/475,341	7-Jun-95	5634.160

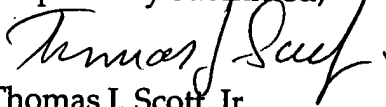
08/475,342	7-Jun-95	5634.234
08/477,547	7-Jun-95	5634.329
08/477,564	7-Jun-95	5634.340
08/477,570	7-Jun-95	5634.335
08/477,660	7-Jun-95	5634.090
08/477,711	7-Jun-95	5634.312
08/477,712	7-Jun-95	5634.173
08/477,805	7-Jun-95	5634.197
08/477,955	7-Jun-95	5634.188
08/478,044	7-Jun-95	5634.334
08/478,107	7-Jun-95	5634.309
08/478,544	7-Jun-95	5634.306
08/478,663	7-Jun-95	5634.099
08/478,767	7-Jun-95	5634.316
08/478,794	7-Jun-95	5634.347
08/478,858	7-Jun-95	5634.351
08/478,864	7-Jun-95	5634.167
08/478,908	7-Jun-95	5634.313
08/479,042	7-Jun-95	5634.352
08/479,215	7-Jun-95	5634.358
08/479,216	7-Jun-95	5634.341
08/479,217	7-Jun-95	5634.093
08/479,374	7-Jun-95	5634.148
08/479,375	7-Jun-95	5634.326
08/479,414	7-Jun-95	5634.359
08/479,523	7-Jun-95	5634.365
08/479,524	7-Jun-95	5634.054
08/479,667	7-Jun-95	5634.192
08/480,059	7-Jun-95	5634.063
08/480,060	7-Jun-95	5634.227
08/480,383	7-Jun-95	5634.349
08/480,392	7-Jun-95	5634.310
08/480,740	7-Jun-95	5634.343
08/481,074	7-Jun-95	5634.190
08/482,573	7-Jun-95	5634.096
08/482,574	7-Jun-95	5634.210
08/482,857	7-Jun-95	5634.311
08/483,054	7-Jun-95	5634.195
08/483,169	7-Jun-95	5634.338
08/483,174	7-Jun-95	5634.251
08/483,269	7-Jun-95	5634.307
08/483,980	7-Jun-95	5634.066
08/484,275	7-Jun-95	5634.323
08/484,276	7-Jun-95	5634.092
08/484,858	7-Jun-95	5634.362

08/484,865	7-Jun-95	5634.348
08/485,282	7-Jun-95	5634.361
08/485,283	7-Jun-95	5634.199
08/485,507	7-Jun-95	5634.304
08/485,772	7-Jun-95	5634.332
08/485,775	7-Jun-95	5634.077
08/486,258	7-Jun-95	5634.357
08/486,259	7-Jun-95	5634.257
08/486,265	7-Jun-95	5634.228
08/486,266	7-Jun-95	5634.337
08/486,297	7-Jun-95	5634.331
08/487,155	7-Jun-95	5634.308
08/487,397	7-Jun-95	5634.250
08/487,408	7-Jun-95	5634.356
08/487,410	7-Jun-95	5634.314
08/487,411	7-Jun-95	5634.318
08/487,428	7-Jun-95	5634.363
08/487,506	7-Jun-95	5634.350
08/487,516	7-Jun-95	5634.094
08/487,526	7-Jun-95	5634.355
08/487,536	7-Jun-95	5634.097
08/487,546	7-Jun-95	5634.325
08/487,556	7-Jun-95	5634.321
08/487,565	7-Jun-95	5634.327
08/487,649	7-Jun-95	5634.344
08/487,851	7-Jun-95	5634.252
08/487,893	7-Jun-95	5634.191
08/487,980	7-Jun-95	5634.076
08/487,981	7-Jun-95	5634.196
08/487,982	7-Jun-95	5634.095
08/487,984	7-Jun-95	5634.346
08/488,032	7-Jun-95	5634.189
08/488,058	7-Jun-95	5634.322
08/488,378	7 Jun 95	5634.339
08/488,383	7-Jun-95	5634.166
08/488,436	7-Jun-95	5634.336
08/488,438	7-Jun-95	5634.235
08/488,439	7-Jun-95	5634.185
08/488,619	7-Jun-95	5634.317
08/488,620	7-Jun-95	5634.354
08/498,002	7-Jun-95	5634.345
08/511,491	6-Jun-95	5634.274

REMARKS

In accordance with the duty of disclosure under 37 C.F.R. § 1.56(a), Applicants herewith submit a reference to all related copending U.S. Patent Applications now pending before the U.S. Patent and Trademark Office.

Date: December 13, 1995
HOWREY & SIMON
1299 Pennsylvania Avenue, NW
Washington, D.C. 20004
Tel: (202) 383-6614

Respectfully submitted,

Thomas J. Scott, Jr.
Reg. No. 27,836
Attorney for Applicants